

ABSTRACT OF THE DISCLOSURE

In a repeating apparatus of a layer 2 LAN,
when a received frame is a destination-unknown frame,
a frame for path detection having a shortest data
5 length is generated using a destination address of
the above-mentioned received frame and an address of
the own apparatus and it is broadcasted; and when a
responding frame returned from a repeating apparatus
having found the destination for the above-mentioned
10 frame for path detection is received, the above-
mentioned received frame is transmitted for a
transmission source of the above-mentioned
responding frame.

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